

ABSTRACT OF THE DISCLOSURE

A printed-on-display (POD) antenna is mounted on a wireless mobile personal terminal. The POD antenna is formed of conductive transparent material such as indium oxide doped with tin oxide (ITO). The POD antenna is printed on a glass substrate of display of the personal terminal by physical vapor deposition (PVD) or chemical etching. Pattern of the POD antenna is configured to have a radiation pattern the same as a conventional monopole antenna and an omni-directional characteristics. Hence, the POD antenna may be embedded, resulting in an elimination of drawbacks of conventional exposed antenna such as liable to damage, complex in assembly, and high cost.